



Veterinary REPORT

College of Veterinary Medicine
University of Illinois at Urbana-Champaign

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Chinchillas Help Researchers Learn More About Human Ear Infections

BY TANIA BANAK

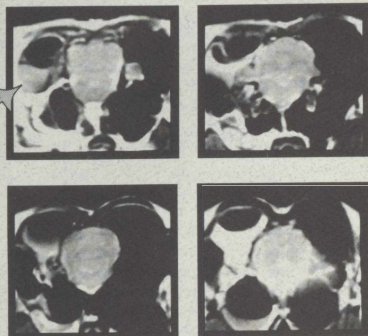
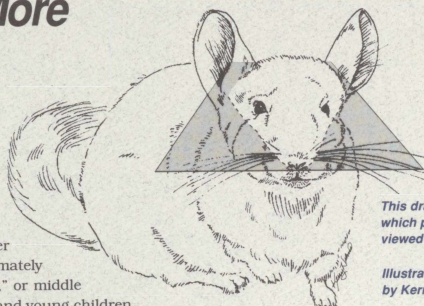


PHOTO COURTESY OF
DR. ANDREW WEBB

A series of MRI scans depicts four 2 mm contiguous slices through the middle ear cavity of the chinchilla. Fluid build-up is seen in the infected left ear (at arrow).



This drawing shows which plane is being viewed in the MRI scans.

Illustration
by Kerry Helms

Research being done on chinchillas—small, furry, rabbit-like rodents—may help establish a better understanding and ultimately a cure for "otitis media," or middle ear infection in infants and young children.

Middle ear infections in young children have always been troublesome because the disease tends to be quite resistant to antibiotics. Recurrent infections can result in hearing loss.

Using chinchillas as models, researchers at the University of Illinois have determined that magnetic resonance imaging (MRI) can provide an ongoing view of what is happening when the inner ear becomes infected. This technique is completely non-invasive and causes no pain to the animal.

According to Dr. Robert Clarkson, an MRI specialist at the College of Veterinary Medicine, the inner workings of the chinchilla's ears are similar to humans, which makes the animal an excellent model for the research. Using very high-resolution imaging equipment, the researchers have for the first time ever completed a longitudinal study which follows an animal from the onset of infection to its cure.

Dr. Clarkson is working with Dr. Andrew Webb, an assistant professor in electrical engineering. Their collaboration began when Dr. Webb completed a post-doctorate with Dr. Clarkson.

"Chinchillas are not naturally prone to the bacteria that causes problems in humans, so they don't get a bad case from it," Dr. Clarkson notes. "Generally, the infection resolves by itself."

Nevertheless, sequential MRI images permitted researchers to see just where an ear infection takes hold and how it progresses. They found that MRI images provide clear, crisp, cross-sectional images of the patient's inner ear cavities. Changes in the image were obvious when an infection began, and again as the infection developed and then resolved itself some two weeks later.

Now that they know they can trace an ear infection as it progresses, the researchers are studying a variety of antibiotics to see what effect they have on the ear infections. Ultimately, they will come up with the best treatment protocol for middle ear infections in youngsters. ■

Wild Pigs Might Affect Pseudorabies in Domestic Swine

BY TANIA BANAK



LU MOHRE

Dr. Ned Hahn holds a piglet from one of the feral sows in his pseudorabies research project.

Researchers at the University of Illinois College of Veterinary Medicine at Urbana have gone "hog wild" to assist in a nationwide effort to eradicate the pseudorabies virus (PRV) in swine by the end of the decade.

According to Dr. Edwin Hahn, associate professor of veterinary pathobiology at the college, eradicating the virus in domestic pigs may prove fruitless if it turns out that feral, or wild, pigs carry and transmit the virus to domestic stock. Since very little is known about feral pigs, Dr. Hahn has established what he believes to be the only feral swine research herd in the nation to study these animals.

"They're very different from domestic pigs," he notes. "They're less nervous, curious, and usually friendly, but the boars can be dangerously aggressive. They also have some biological differences from domestic pigs."

Researchers at the University of Illinois, in collaboration with the University of Florida, are working with these wild pigs to determine how they react to the PRV.

Feral (or wild) pigs are prevalent in the southern United States and extend as far northward as Illinois and New Hampshire.

Currently not much is known about feral pig immunity. According to Dr. Hahn, no one knows whether feral pigs harbor unique strains of PRV, or even whether they can transmit the disease to domestic pigs.

To date, he and his colleagues have found that adult feral pigs are more

severely affected by the pseudorabies virus than domestic pigs. Infected adult feral pigs seem to display the respiratory signs associated with the disease longer, and therefore may shed the pseudorabies virus longer. In addition, the feral pigs' immune system seems to mature earlier, which means the window during which the disease can prove fatal is shorter for them. Young pigs are therefore more likely to survive infection and add to the number of infected pigs in the population. Both of these factors contribute to increased chances of transmission.

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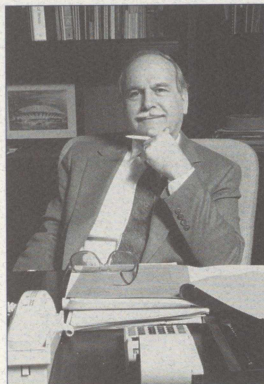
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Dean's Corner



Developments...

BY DR. TED VALLI

As I write this Dean's Column, there is a lot of color developing in the trees along South Lincoln Avenue, and we are enjoying Indian Summer with welcome sunshine and less heat and humidity. When you read this in January, we will wish we had those days back. We had a record number of 92 students in attendance at our welcoming dinner for the first-year students at our home. With equipment, including a large coffee urn and two 18-quart roasters, Carroll did it all herself and was given an offer of employment by a local caterer!

We graduated the first group of 42 veterinarians from the Executive Veterinary Program, during which festivities I was inadvertently referred to as Dean Brandley by Dr. Biehl. That turned out to be my label for the rest of the evening. We are pleased and proud that the second EVP program is filled to capacity and underway.

With donated funds, the College held its first Faculty and Staff Awards and Recognition Banquet on the eve of Fall Conference. We intend this to be an annual event. This is an important development in the growth and maturation of the school in which we are now willing to not only recognize but reward excellence in teaching, research, service, and all-around performance. The event was remarkable because it involved the practicing profession with Dr. Jim Finnell serving as Master of Ceremonies and with participation by faculty, staff, and students. I believe the event succeeded in making people feel good about themselves.

To turn to a different kind of "development," the University of Illinois will soon embark on a major fund-raising campaign. This type of effort is essential to the well-being of the University in the years ahead. While we are nominally a state institution, we hear suggestions that we are more appropriately "state assisted." It is a little-recognized fact that state funding is reduced to the point where it provides slightly more than one-third of the total funds spent each year by the University of Illinois. In the College of Veterinary Medicine, well over 90% of the \$11 million annual state support is directed to faculty and staff salaries. Consequently, the overall budget of approximately \$22 million gives some idea of the productivity of faculty in generating grant and contract support for research plus the funds generated in various cost-recovery programs, such as

the Teaching Hospital, the Diagnostic Laboratory, and the National Animal Poison Control Center. We have been granted a tuition increase, part of which will go to the University as a whole and part of which will be available to support teaching programs within the College.

Over the course of this coming campaign, Terry Rathgeber and I working with others will be seeking much larger support for a number of areas including endowments for student awards but particularly for endowed named chairs. Because our physical base is considerable and our faculty complement is shrinking, a major priority of this campus in the upcoming campaign will be people and programs, including funded chairs which will continue to benefit the University in perpetuity. There are currently no funded chairs in veterinary medicine which is not surprising for a young school such as ours, but remarkably, there aren't many in other areas of the campus either. Support of this type would allow us to establish faculty in areas where we either have no disciplinarians at all, such as animal behavior and medical ethics, or areas where we have some expertise but are short on the ground, such as gerontology, biomechanics, clinical oncology, the human-animal bond, and avian/aquatic and wildlife medicine. Each of you can play a vital role in the campaign by introducing us to people who share our vision for the animal kingdom.

Donated support to the College has increased steadily in recent years. The Teaching Hospital receives in excess of \$100,000 a year in saleable products from feed and pharmaceutical industries. The Companion Animal Memorial Fund and the Dean's Achievement Fund generate over \$100,000 a year, which constitutes the main discretionary funds available to the College. The Companion Animal Memorial Funds are used to support companion animal programs. A few special friends of the College continue to provide support for the care of indigent animals and for free-living species brought to the Wildlife Ward for treatment and rehabilitation. The College's Achievement Fund supports the faculty awards referred to earlier, the Library, student and faculty programs and small projects in each of the departments that are deserving of seed support.

Let me close by saying that we are not only extremely grateful for the support we receive from the practicing profession who are graduates of this and other schools but also many other supporters who recognize the value of animals to human welfare. Veterinarians across the United States perform a special service for the College of Veterinary Medicine in bringing to the attention of appropriate clientele the ways in which their gifts and endowments to this school can benefit our students and the animals we serve. We are not only grateful for your support but I hope this report makes it clear that to a very considerable extent, the quality of our programs is contingent upon your continuing good will and generosity. ■

Dates to Remember

January 17, 1994
Martin Luther King Day, campus closed.

January 17, 1994
North American Veterinary Conference, Orlando, Florida, alumni reception. Contact Terry Rathgeber (217/333-2762).

February 11-13, 1994
Illinois State Veterinary Medical Association annual meeting, Chicago Marriott.

February 21, 1994
Western States Conference, Las Vegas, Nevada, alumni reception at 7:00 p.m. in the Riviera Room G. Contact Terry Rathgeber (217/333-2762).

March 11, 1994
Spring Break Day, campus closed.

May 15-20, 1994
Model Ethics Institute, Urbana, Ill. Designed to train faculty members to introduce discussions of ethical issues in their science and technology classes. Sponsored by the USDA; University of Illinois Colleges of Agriculture, Liberal Arts and Sciences, Veterinary Medicine, and the Program for the Study of Cultural Values and Ethics. Contact Dr. Robert McKim (217/333-2889).

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College Happenings

Students Win Bid for 1995 SAVMA Symposium: First Time at Illinois in 20 Years!

FOR THE FIRST TIME in 20 years, Illinois will host the Student American Veterinary Medical Association (SAVMA) Symposium in March 1995. Though the groundwork was laid well over a year ago as students prepared their Symposium bid, now the work begins in earnest.

Fund raising is a major concern. Not only is symposium-planning an enormous task, it is an expensive one. The planning committee estimates that they need to raise \$60,000 above and beyond the reduced student registration fees in order to provide shuttle transportation, meals, and other basic services for registrants.

Already committees are organizing educational lectures and workshops, contests (ranging from academic oriented "bovine palpation" and "name that parasite" to athletics such as



volleyball, tug-of-war, sack races, cow chip toss, etc.), social events, and tours. Multiple sessions will

assure topics for every interest.

Some 1,500 veterinary students from across the nation are expected to converge on Illinois for the Symposium. The Symposium is held annually during spring. Each year, a different veterinary school hosts this event, based on bids submitted to the organization two years in advance and voted on by the membership.

To supplement student registration fees, students are counting on assistance from outside sources. They plan to look for help from practitioners, veterinary professional organizations, and animal industries. Donations are tax deductible and can be made to "UIF/1995 SAVMA Symposium" and sent to: University of Illinois, College of Veterinary Medicine, Attention: Terry Rathgeber, 3505 VMBSS, 2001 S. Lincoln Ave., Urbana, IL 61801 (217/333-2762).

Students Benefit From New Projection System

THANKS TO THE PURCHASE of a second "video and computer image project projection system," instructors in the college's Basic Science Building no longer need to shuffle classes back and forth between classrooms when they want to use this equipment. This ceiling-mounted, state-of-the-art unit permits instructors to project either computer graphics (directly from a computer) or videotapes. The picture is crisp and clear, a result of very high resolution.

The original system was installed two years ago. The college hopes to install this same system both in the Large Animal Clinic Auditorium and Room 80 of the Small Animal Clinic as well. Older projection equipment is available in those rooms, but it is of marginal quality, particularly in the auditorium, where the backlit screen lacks detail and brilliance.

In the future, the projection system will be networked, allowing users to simply log in, call up the desired computer files, and project them without having to bring a computer plus diskettes plus accessories with them to lecture.

Currently, instructors still need to wheel in a computer and hook it up to the system.

Both of the \$13,500 video projection systems were purchased with funds from the college's Hill's pet food program, where faculty, staff and students pay bargain rates for donated Hill's pet food. Proceeds from the pet food sales benefit student-related projects. This particular project enhances student teaching through classroom renewal.

New Equipment to Aid Practitioners in Treatment of Bacterial Infections



LIL MORALES

Sheila Davis, microbiology technician, enters data into the diagnostic laboratory's new Sensititre equipment.

THANKS TO A NEWLY-PURCHASED diagnostic computer, samples submitted to the college's Diagnostic Bacteriology and Mycology Laboratory will come back with more detailed and helpful information.

To date, tests have been run manually. Results provided a general idea of what bacteria were involved and what drugs might be most effective in treatment, but the degree of a sample's sensitivity to an antibiotic could not be pinpointed.

That has changed with the arrival of the \$45,000 Sensititre system. This automatic, computer-driven system enhances the college's ability to detect minimum inhibitory concentrations (MIC) of various antibiotics on bacteria. In short, that means that tissue, fluid (urine), or milk samples submitted to the lab for bacteriology now will be returned with detailed data on what bacteria are present and how sensitive these bacteria are to various antibiotics.

"The Sensititre gives practitioners quantitative versus qualitative answers," says Dr. Ray Smith, chief of the bacteriology laboratory.

In addition, the new system permits extensive retrieval of epidemiological information. For example, Dr. Smith points out that if a practitioner asks, "What has been your experience in

treating pneumonias in cattle where the causative organism has been *Pasteurella hemolytica*?" laboratory personnel can respond that the organism "has been isolated 50 times and here are the results." Based on what's happened in these previous cases, a practitioner may be able to predict what treatment will or won't work.

The Sensititre will also provide useful baseline data for field tests. Researchers at the college hope to determine exactly what levels of antibiotics can actually be achieved in live animal tissues (versus laboratory tests). This field testing will enhance the Sensititre results by providing further information on what antibiotic treatments are most effective against certain bacterial infections. For example, if Sensititre results imply that a certain dosage of antibiotic "A" should resolve an infection in a host, but antibiotic A never reaches the proposed concentration in live animal tissues, practitioners may want to use a different (hopefully more effective) antibiotic for treatment.

The Sensititre was installed in October 1993. Tests can be run on bacteria samples from all animal species. For more information about these tests or other diagnostic laboratory procedures, call the Diagnostic Laboratory at 217/333-1620.

Dr. Wagner "Retires" from College, Takes New Job in D.C.



AFTER 16 YEARS OF TENURE at the University of Illinois College of Veterinary Medicine, Dr. William C. Wagner has retired. But his career is far from over.

Beginning November 15, 1993, Dr. Wagner became the Principal Veterinary Scientist with USDA's Cooperative State Research Service in Washington, D.C. He will provide coordination and administration of animal health research in the land-grant university system. His new position involves overseeing animal health formula funding and regional research projects in animal health. He will also coordinate program reviews of research and graduate programs in veterinary medicine. His work will deal with all food and fiber animals that are agriculturally important.

The new job fits. Dr. Wagner has always been interested in research and food animals. He graduated with a DVM from Cornell University in 1956. In 1968, he earned a PhD in reproductive physiology, also from Cornell. After that, he served on the Iowa State University faculty until 1977, when he came to Illinois as department head of Veterinary Anatomy, Pharmacology and Physiology (now Veterinary Biosciences).

While head of that department, Dr. Wagner recruited and hired faculty to build a strong research program in reproductive biology and toxicology.

"I've always tried to put programs in place that the faculty would take ownership of as soon as possible," he notes. "I don't want to take credit for what faculty have done, but I'm pleased with the productivity and quality."

For example, Dr. Wagner was instrumental in developing the Integrated Food Animal Management System (IFAMS), an idea which came from his conversations with Dr. Gregg BeVier, a 1982 Illinois graduate. They found there was a need for a different kind of veterinary expertise, relating more to business concerns and consultation (in addition to animal disease). The college's current Executive Veteri-

nary Program (EVP) program addresses similar needs, but allows veterinarians to stay in their current jobs while pursuing this knowledge.

And though the National Animal Poison Control Center is currently self-supporting, it needed departmental support initially. Dr. Wagner recognized the value of such a program when it was proposed by Dr. William Buck and helped get the program on its feet.

In 1984, Dr. Wagner organized the 10th International Congress on Animal Reproduction in Urbana, the only time this event has been held in the U.S. He has been on the association's executive committee for many years and since 1988 has served as its president.

In 1990, Dr. Wagner stepped into the college's Associate Dean for Research position. There he has focused on the development of external programs.

Through the years, his own research has centered on the physiology of pregnant animals, especially cattle and sheep. He has concentrated on the physiology of parturition and the physiology of the post-partum animal, including lactation problems in sows.

He has supervised numerous PhD students over the years, many of whom were veterinarians from countries such as Germany, Mexico, Brazil, China and Taiwan. Dr. Wagner himself took two sabbatical leaves in Germany during his career.

In addition, he has served on many national committees, including an NIH study section which reviews research proposals, a USDA review panel for reproductive biology grants, the Morris Animal Foundation's advisory board, and the AVMA's Council on Education. At the university level, Dr. Wagner has been a member of the training faculty for the Reproductive Biology Training Program on campus for 16 years.

Dr. Wagner leaves behind a full and productive career at Illinois, but he isn't through yet.

Wild Pig Research, Continued from page 1

As studies progress, the researchers hope to determine whether feral strains of PRV are different from domestic strains. They also want to determine how feral pigs react to domestic strains of the virus and live PRV vaccines. Can the pseudorabies virus be easily reactivated from feral pigs and transmitted to domestic swine? Can field transfer of the disease be proven?

It is clear that the pseudorabies virus can be transmitted between feral pigs via direct contact. Now researchers need to examine whether or how the disease is transmitted between the wild and domestic pigs.

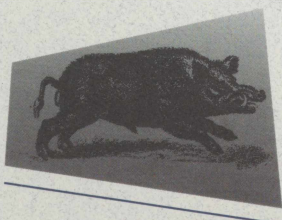
Surprisingly, an isolate of PRV from a Florida panther, an endangered species, resembles a strain of pseudorabies virus from feral pigs. Researchers speculate that the panther may pick up the virus when feeding on persistently infected feral pigs.

Before 1975, pseudorabies was a less significant problem in swine than it is today. After that, confinement hog operations—where pigs are housed in indoor pens instead of outdoor pastures—became more common. With so many pigs housed together in close quarters, researchers wonder if the vi-

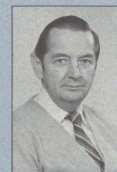
rus changed as it became more easily transmitted between animals. The virus strains from feral populations may represent more benign forms of the disease.

The results of this research will have an impact on the direction of the nation's pseudorabies eradication program.

As Dr. Hahn points out, "Much money is being invested in pseudorabies eradication programs. Ultimately, these eradication programs must fully address feral as well as domestic swine populations." ■



Long-time Extension Veterinarian McQueen Retires



WHEN PRACTITIONERS wanted to know about mastitis problems or stray voltage or anything concerning dairy herd medicine, Dr. Dave McQueen was the man to call. The college's dairy Extension veterinarian was always willing to work with practitioners on the phone, and often scheduled farm visits as well.

There will be a void after his retirement on September 30, 1993. Dr. McQueen carries with him a wealth of knowledge about the dairy industry and related issues such as forages.

Dr. McQueen graduated from the University of Illinois College of Veterinary Medicine in 1954. He then practiced for four years in McLean, Ill. and served two years in the U.S. Air Force Veterinary Corps.

In 1960, he returned to the University of Illinois and completed a PhD degree in 1964. After spending three years on the Illinois veterinary college staff, he moved to the University of Georgia College of Veterinary Medicine as an associate professor of physiology.

In 1969, he returned to Illinois as the coordinator of continuing education for the veterinary college, a position he held until 1983. Since then he has devoted full time as dairy Extension veterinarian, working with dairy veterinarians and producers throughout the state and Midwest.

He is the author of a Dairy Ration Analyzer computer program used widely in the U.S. and some foreign countries. He consults frequently with veterinarians and producers on dairy and beef herd health problems, especially in the areas of reproduction (including abortions), mastitis, infectious diseases, drug use, and feed quality/mycotoxin problems.

In 1992, he was selected Extension Veterinarian of the Year by the American Association of Extension Veterinarians.

He and his wife, June, plan to travel widely and spend time with family, fish, garden, take adult education courses, and do volunteer work (construction and repair work is a hobby of Dr. McQueen's).



Honors Bestowed During Veterinary Alumni Meeting

FIVE VETERINARIANS WERE HONORED during the University of Illinois College of Veterinary Medicine Alumni Association's annual meeting on October 7, 1993. Dr. John Ehrhardt, McNabb, Ill., the association's president, presented a Merit, Service and Special Service Award. Then Dr. V.E. Valli, dean of the veterinary college, presented a plaque and a memory book on behalf of the College of Veterinary Medicine.

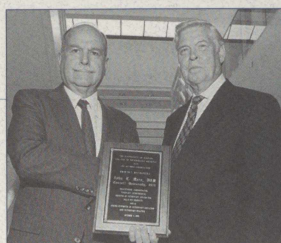
Dr. Emil Baukert, Skokie, Ill., received the veterinary alumni association's Merit Award for extraordinary interest and loyalty to the College of Veterinary Medicine and for having achieved outstanding success and distinction in the profession of veterinary medicine. Dr. Baukert, a 1976 Illinois graduate, has been a partner at the Riser Animal Hospital in Skokie since 1983.

Dr. Cecil Ingmire, Joliet, Ill., received a Service Award for meritorious

service by a non-alumnus of Illinois to the profession of veterinary medicine. Dr. Ingmire has practiced in the Joliet, Ill. area since his graduation from Kansas State University in 1947.

Dr. Harry Reynolds, Champaign, Ill., who recently retired from a position as pathologist and professor at the University of Illinois College of Veterinary Medicine, received a Special Service Award for service to the college and to the veterinary profession.

Dr. John L. Mara, of Huntington, New York, director of veterinary affairs at Hill's Pet Products, Inc., Topeka, Kansas, received a special plaque from the veterinary college in recognition of the significant role he played in promoting veterinary education through the years. He was instrumental in developing numerous opportunities for veterinary students, including several national monetary awards. The plaque



Dr. John Mara (right), director of veterinary affairs at Hill's Pet Nutrition, Inc., accepts a recognition plaque from **Dr. V.E. Valli**, dean, on behalf of the University of Illinois College of Veterinary Medicine. The award was presented on October 7, 1993 during the college's annual Fall Conference for Veterinarians.



Dr. John Ehrhardt (top), president of the College of Veterinary Medicine Alumni Association, presented a Special Service Award to **Dr. Harry Reynolds** (left), a Service Award to **Dr. Cecil Ingmire** (center, front), and a Merit Award to **Dr. Emil Baukert** (right).

read: "To Dr. John Mara, Cornell 1951, practitioner, administrator, visionary, entrepreneur, Director of Veterinary Affairs for Hill's Pet Products, and a strong supporter of veterinary education and veterinary practice."

Dr. Erwin Small, Champaign, Ill., recently retired from the college, was presented with a bound volume of photos and letters which alumni and friends sent to the college upon his retirement.

Twenty-Six Employees at Veterinary College Honored for Service



Linda Swett (left), administrative secretary for veterinary biosciences at the University of Illinois College of Veterinary Medicine, accepts the Robert & Lucy Graham Award from **Dr. Tom Eurell** (right), chairman of the college's Awards and Scholarships Committee. The award, consisting of \$300 and a plaque, is presented annually to a staff employee who has made outstanding contributions to the college.

TWENTY-SIX STAFF EMPLOYEES were honored during the University of Illinois College of Veterinary Medicine's 17th Annual Staff Recognition Program on September 9, 1993. The veterinary college's program, established by former dean Richard E. Dierks in 1976, is one of the first formal programs of its type on campus.

The featured award each year is the Dr. Robert and Lucy Graham Award, presented to a nonacademic employee at the college who has made outstanding contributions to the college. This year's recipient was **Linda Swett**, administrative secretary in veterinary biosciences. She manages personnel, budget, and operational procedures for the veterinary biosciences department.

Swett was presented with a plaque and a \$300 check by Dr. Tom Eurell, chairman of the college's Awards and Scholarships Committee.

Also honored were 25 employees who had served the university between 5 and 30 years. **Gerald Akers** and **Keith Melton**, both of veterinary pathology, and **Shirley Seets**, veterinary administration, were honored for 30 years of service.

Recognized for completing 15 years of service were **Phyllis Wardlow**, Laboratory of Veterinary Diagnostic Medicine; and **Deborah Westjohn**, veterinary clinical medicine.

Completing 10 years of service were **Carole Cox**, veterinary biosciences; **Katie Henry**, veterinary administration; **Mary "Kate" Nofftz**, veterinary administration; **Christie Roe**, veterinary clinical medicine; and **Sheila Voyles**, veterinary clinical medicine.

Five years of service were completed by **Vicky Armstrong**, veterinary clinical medicine; **Gerald Bargren**, veterinary biosciences; **Nada Cagle**,

veterinary biosciences; **Margaret "Polly" Clabaugh**, Office of Laboratory Animal Care; **Wayne Conatser**, veterinary clinical medicine; **Steven Fay**, veterinary pathology; **Mary Gessford**, veterinary pathology; **Lou Ann Miller**, veterinary biosciences; **Deanne Payne**, veterinary administration; **Barbara Richards**, veterinary clinical medicine; **Linda Riggs**, veterinary clinical medicine; **John Scott**, veterinary pathology; and **Carol Young**, veterinary clinical medicine.

Also honored were recent retirees, **Midge Hildreth**, veterinary administration; and **Ward "Gale" McGowan**, Dixon Springs Agricultural Center.

Dean V.E. "Ted" Valli addressed the group, listing many areas of progress at the veterinary college and noting that it is through teamwork exhibited by college staff that these achievements are possible.

Five Veterinary Faculty Receive Awards at First-Ever Recognition Fete



Dr. Louise C. Abbott, assistant professor of morphology, and **Dr. Joseph L. Dornier**, acting associate dean for academic and student affairs and professor of veterinary pathology/clinical medicine, tied for the **CVM Teaching Award**. Dr. Sandra Manfra, veterinary clinical medicine, was runner-up. Nominees were chosen by third- and fourth-year veterinary students for presenting material with enthusiasm, dedication, clarity, and for integrating subject concepts into the overall framework of the veterinary curriculum.



Dr. Richard F. Beville, head of veterinary biosciences and a professor of veterinary pharmacology and toxicology, received the **CVM All-Round Excellence Award**. This honor is bestowed on an individual at the college who excels in all areas of the college's mission (teaching, research, and service). Runners-up in this category were: Dr. Karen L. Campbell, veterinary clinical medicine, and Dr. Howard B. Gelberg, veterinary pathology.



Winning the **CVM Service Award** for outstanding committee work, clinical service, and continuing education was **Dr. William B. Buck**, professor of toxicology and director of the National Animal Poison Control Center (NAPCC). Individuals can be nominated for this award by their college departments and by regional veterinary medical associations. Also nominated were: Dr. Lloyd C. Helper, veterinary clinical medicine; and Dr. Gale D. Taylor, veterinary pathology.



Dr. Gary L. Jackson, professor of veterinary biosciences, garnered the **CVM Research Award**. This award is given in recognition for quality and quantity of publications, research awards, and outside recognition of the nominee's work. Also nominated for the award were: Dr. Roberto Docampo, veterinary pathology, and Dr. John C. Thurmon, veterinary clinical medicine.

Faculty, staff, retirees, and special guests were also recognized for their outstanding contributions in teaching, research, and service.



Alumni Notes

■ **Dr. Jorg Hoogeweg**, 1958, Hazel Crest, Ill., was selected for his hometown's 1993 Good Neighbor award. He was nominated by his neighbors, who note that he is known for going out of his way to welcome newcomers to the neighborhood. Dr. Hoogeweg owns Markham Animal Clinic, which employs five veterinarians, including his son, Frank, and daughter, Heidi.

■ **Dr. David Huxsoll**, 1961, associate dean for research and advanced studies, has been named interim dean for the Louisiana State University School of Veterinary Medicine. He will fill that role until a replacement can be found. Dr. Huxsoll joined the LSU veterinary faculty in 1990 after he retired from his position as commander of the U.S. Army Medical Research Institute of Infectious Diseases.

■ **Dr. Robert McKinney**, 1962, Jacksonville, Ill., was inducted to the Jacksonville Area Hall of Fame on September 23, 1993, along with five other persons. The six join 17 previous inductees and will have their plaques put in the Hall of Fame display in the Jacksonville City Council chambers. Inductees are chosen by a committee after soliciting nominations from the public. Dr. McKinney has been the co-owner of a successful veterinary practice in Jacksonville for 30 years.

■ **Dr. E. Chas. Hendricks**, 1963, received the American Animal Hospital Association's Outstanding Service Award during the organization's regional meeting in Reno, Nevada in September. The award is presented to a veterinarian for outstanding contributions to the veterinary profession. Dr. Hendricks has been active in AAHA for 13 years, serving as area director from 1980 to 1985, and as Far West Region director from 1986 to 1993. During this time he served on numerous committees including the Insurance Committee, Insurance Task Force, and the Planning Task Force. He is director of the Ana Brook Hospital in Anaheim, California.

■ **Dr. Paul Goldman**, 1969, of Glenview, Ill., has joined the medical staff of Holy Family Hospital in Des Plaines, Ill., as chairman of the Obstetrics and Gynecology Department. He received his M.D. degree from the University of Illinois College of Medicine and attained board certification in obstetrics and gynecology. He is also an attending physician at Lutheran General Hospital in Park Ridge, Ill.

■ In honor of **Dr. Arthur Baeder**, 1973, the New Jersey Veterinary Medical Association (NJVMA) Auxiliary presented a commemorative figurine to the college's Veterinary Medicine Library. The figurine is the 91st of only 100 produced in

commemoration of the NJVMA's 100th birthday. The foot-high replica of a veterinarian ministering to a dog with an injured foot will be placed on display in the library in a suitable case. Dr. Baeder served as president of the NJVMA from 1990-91.

■ **Dr. Mark Hudson**, 1975, started his own veterinary practice in Springfield, Ill. earlier this year. He named it the Koke Mill Animal Hospital. The clinic serves small animals.

■ **Dr. Richard DeBowes**, 1979, was recently promoted to professor of surgery at Kansas State University's College of Veterinary Medicine. He has been at Manhattan, Kansas since 1982. He presently serves as chief of Equine Clinical Services and associate head of the Department of Clinical Sciences. In addition, he is active in the American College of Veterinary Surgeons, serving on their Credentials Committee and Residency Committee. He also serves on the Program Committee of the North American Veterinary Conference.

■ **Dr. Todd Prince**, 1984, recently passed the examination for the American Board of Veterinary Practitioners, making him a diplomate of general veterinary practice for companion animals. Dr. Prince owns and operates the Animal Medical Center in Skokie, Ill.

■ **Dr. Karen Becker**, 1987, has been selected for one of the AVMA Congressional Fellowships in Washington, D.C. Her position began on September 1, 1993. Fellowship applicants must demonstrate special competence in an area of veterinary medicine, possess a broad professional background, and exhibit strong interest in applying scientific knowledge toward the solution of societal problems. Candidates must be articulate, literate, adaptable, and capable of working on a wide range of public policy problems.

■ **Drs. Kurt Arnold and Sharon Zaccane**, 1988, were featured recently in the *New Jersey Herald*. The feature explored recipes that busy mothers can use. Drs. Arnold and Zaccane married in 1990 and opened their own clinic, Family Veterinary Service, in Montague, New Jersey, in 1991. They have one son, Andrew, 18 months, with a second child on the way.

■ **Dr. Sarah Gende**, 1990, has taken a job as the director of the Niabi Zoo in Coal Valley, Illinois.

■ **Dr. Dan Morton**, PhD 1990, received the Henry and Lois Foster Award at the awards banquet of the American College of Laboratory Animal Medicine on July 19, 1993 in Minneapolis, Minnesota. This award was established to recognize academic excellence in laboratory animal medicine. It is given to the individual(s) achieving the highest score on the written and practical portions of the certifying examination. Dr. Morton received the highest score on the written examination. He is currently employed by the Applied Sciences Division of the Baxter Healthcare Corporation, Round Lake, Illinois.

■ **Dr. Randy Turek**, 1991, Captain, U.S. Army Veterinary Corps, has assumed command as Chief of Veterinary Services, Yokota Air Force Base, Japan. He is responsible for the health care of the base's military working dogs and the pets of military service members. He is also the quarantine official for all pets arriving to Japan at military air bases.



From left to right: Dr. V.E. Valli, Bonnie McConnell, Dr. Dave McConnell, and Dr. Erwin Small pose following presentation of an Illini clock to Dr. McConnell on behalf of the veterinary college.

DR. DAVE MCCONNELL, 1956, Dundee, Ill., was one of six University of Illinois alumni invited back to campus over homecoming, October 27-29, 1993 as part of the Illini Come-Back program. He is only the second veterinarian to be chosen to participate in this program since its inception in 1980.

Each year, several distinguished alumni are nominated for the program by their respective colleges. A board chooses the finalists.

The selected alumni spend time at their colleges and are treated to a breakfast, the homecoming parade, the football game, and several receptions.

Dr. McConnell was administrator and operator of the 15-person Dundee Animal Hospital. Currently, he serves as trust representative to the AVMA Professional Liability Insurance Trust. During his visit, he addressed students at the veterinary college. He encouraged students to develop their communication skills so they could explain veterinary procedures and diagnoses in terms that the layperson can understand. He noted that well-informed clients made better clients.

"Don't be afraid to take a chance," he urged. "Follow a dream."

He was accompanied by his wife, Bonnie, along with two undergraduate students from the UI alumni association who served as his guides.

In Memoriam

Marion Estep passed away on May 10, 1993 in Delaware, Ohio. She was hired by the university in 1951 as the veterinary college's first librarian, but because the Veterinary Medicine Building on Pennsylvania Ave. was not completed, she worked in other departments of the main library. On February 4, 1952, Ms. Estep officially opened the veterinary library. There were only a few journals, and they had been transferred from the main stacks. The college's 1951-53 annual report indicates that initially, library usage was slow. Faculty members were setting up their offices and laboratories and the students did not yet know how to make use of library resources. During the first year, 4,379 volumes were added to the library. The collection grew to

17,500 by the end of fiscal year 1971. Ms. Estep retired on August 31, 1971.

Blanche Hamilton, 80, died at the Champaign County Nursing Home, Urbana, on September 19, 1993. She worked as a secretary at the veterinary college for 37 years, retiring in 1972. Memorial contributions may be made to the East Central Illinois Chapter of the Alzheimer's Association, P.O. Box 962, Champaign, IL 61820.

Dr. John P. "Jack" Manning, 76, died on September 24, 1993, at the Champaign County Nursing Home, Urbana. He is survived by his wife, Sy, and several children. Dr. Manning served the college for 31 years before

retiring in March of 1985. He was a diplomate of the American College of Veterinary Radiology. In the 1970s, he developed an interest in equine ophthalmology, and taught the subject to fourth-year veterinary students until his retirement. Memorial contributions can be made to the St. Matthew Catholic Church, Champaign County Nursing Home's Unit, or the Equine Scholarship Fund at the College of Veterinary Medicine.

John Turner, 69, Urbana, Ill., died at home on October 2, 1993. He is survived by his wife, Betty, and two daughters. He worked as a caretaker and supervisor in the college's Small Animal Clinic for 26 years. He retired in 1989.

ATTENTION:

Blastomycosis Study



The University of Illinois Teaching Hospital is conducting a clinical trial assessing the effectiveness and toxicity of Amphotericin B in a Lipid Complex (ABLC™) in dogs with blastomycosis. ABLC™ is reported to be as effective as Amphotericin B but 10 times less nephrotoxic. The Liposome Co. Inc. has funded treatment of 12 dogs with

blastomycosis with this product. This will result in substantial financial savings for owners of animals enrolled in the study. If you have a client who you think might be interested or if you would like more information about restrictions for inclusion in the study please call either **Dr. Don Krawiec** or **Dr. Brendan McKiernan** at

217/333-5311. All treatments for blastomycosis as well as 1- and 3-month recheck evaluations for animals enrolled in the study must be performed at the University of Illinois Veterinary Medicine Teaching Hospital.



College Briefs

● The VIth International Coccidiosis Conference, held at the University of Guelph, Ontario, Canada from June 21-25, 1993, was dedicated to **Dr. Norman Levine**, professor emeritus of veterinary pathology at the college. The scientific program included many aspects of animal and human coccidia. Dr. Levine had given the first presentation at a symposium held 20 years ago at Guelph entitled "Coccidia and Related Organisms." Dr. Levine is one of the best known and most respected parasitologists in the world. He has worked extensively with coccidia over his lengthy career.

● **Dr. Carl J. Jones**, associate professor of veterinary pathobiology, joined fellow researchers from Kansas and Florida on a trip to the People's Republic of China from September 2-18, 1993. The trip was sponsored by the USDA Office of International Cooperation and Development Scientific and Technical Exchange Program, with much of the funding provided by China. The team visited eight scientific institutes in three Chinese Provinces. Their purpose was to evaluate the pest status of filth flies at livestock and poultry facilities. They hope to establish collaborative research in the biological control of filth flies, which cause economic losses in livestock industries.

● On the weekend of September 11-12, 1993, the college sponsored a field trip to the Dixon Springs Agricultural Center in southern Illinois for members of the sophomore veterinary class. Thirty-eight class members and spouses made the trip south. Dr. Gene Zinn, chief veterinarian at the Center, showed the group the outdoor swine production unit, the beef herd, and the farm.

According to **Bill Hollis**, VM 2 class representative who organized the trip, the purpose was to promote interest in livestock among veterinary students.

● **Dr. Wanda Haschek-Hock**, veterinary pathobiology, was one of the primary organizers of the "Introduction to Industrial Toxicologic Pathology" meeting held in Urbana, Ill. from September 13-17, 1993. The short course was designed to meet the needs of entry-level pathologists in the pharmaceutical and chemical industries and contract pathology laboratories. Experimental design and evaluation as well as regulatory issues and risk assessment were covered. Fifty-eight veterinarians and research scientists from across the nation attended. The program was sponsored by the college's CEPS office, Sandoz Pharmaceuticals Corp., Abbott Laboratories, The Upjohn Company, The Proctor & Gamble Company, and the National Animal Poison Control Center.

● **Dr. Lynelle Johnson**, visiting assistant professor of veterinary clinical medicine at the college, received the Joan A. O'Brien Research Award at the 12th Symposium of the Compar-

ative Respiratory Society held at New Bolton Center, University of Pennsylvania, Kennett Square, Pennsylvania on September 25-26, 1993. Competition for this award is open to any resident or graduate student participating at this international meeting. The award was established in 1990 in recognition of Dr. O'Brien's overall contributions to veterinary medicine. It is presented annually for the best research presentation by a resident or graduate student. Dr. Johnson's presentation was titled, "The efficacy of theophylline in preventing experimentally induced bronchoconstriction in cats."

● The Veterinary Clinical Medicine department hosted an informal buffet on October 16, 1993 to recognize retirees **Drs. Lloyd Helper, Al Schiller** and **Erwin Small**. Each of these individuals was given a small replica of a plaque listing his specialty and length of service. The full-size plaques will be hung on three different examination room doors in the Small Animal Clinic.

● **Dr. Erwin Small**, professor emeritus, was chosen to receive the 1993 Veterinarian of the Year Award from the Massachusetts Society for the Prevention of Cruelty to Animals (MSPCA) in Boston. The award is given to a veterinarian who has done exemplary work toward improving the quality of life for animals. It was presented on October 21, 1993 during the MSPCA's Humane Awards Dinner in Newton, Massachusetts. The MSPCA is the oldest humane society in the U.S. They were celebrating their 125th anniversary.

● **Dr. Khris Kirkland**, resident in equine medicine and surgery, won the Resident Research Award for her presentation at the annual American College of Veterinary Surgeons (ACVS) meeting in San Francisco, October 24-28. Her presentation was entitled, "The morphologic effects of aging on the endodontic system, reserve crown and roots of equine permanent mandibular cheek teeth."

● **Dr. Bob Twardock**, professor in veterinary biosciences and division chairperson of nuclear medicine, was chosen as "Outstanding Faculty Member" by the University of Illinois Dad's Association. He was honored at a banquet on Friday, Nov. 5, 1993. Only two faculty members are recognized each year.

● **Dr. George Foley**, veterinary pathobiology; **Dr. V.E. Valli**, college dean; and **Dr. Matt Wallig**, veterinary pathobiology, all spoke at the C.L. Davis Foundation's European Pathology Symposium on November 9-11, 1993. The symposium was held at Zeneca Pharmaceuticals, Mereside, Alderley Park, England. The C.L. Davis Foundation is a non-profit organization based in the U.S. with its main objective being continued education in pathology.

Canines Compete for "Top Dog" Honors at Veterinary College



TANIA BAKAR

Dr. Allan Paul, small animal extension veterinarian at the college, judges a student's dalmatian during the first annual VET MED Canine Olympics on September 19, 1993. The event attracted 40 dogs in the grooming, obedience, and obstacle course categories. Waltham/KalKan Pet Care pet foods sponsored the event, providing ribbons and prizes for the winners.

● Veterinary students **Kimberly Boswell** (fourth year) and **Deanna Dyer** (second year) each received scholarships from the American Kennel Club (AKC) based on need, academic achievement and potential, and perceived or demonstrated interest in canine biology and/or purebred dogs. Each veterinary school in the nation is encouraged to submit no more than four applications to compete for a cut of the \$50,000 in grant money the AKC makes available to veterinary schools. Boswell received \$1,000 and Dyer received \$2,500.

● **Dr. Jan Hall**, currently serving a joint position as a visiting veterinary poison information specialist at the college's National Animal Poison Control Center and research associate in veterinary clinical medicine, recently passed her examinations to become a board certified specialist in veterinary dermatology. This makes her a Diplomate of the American College of Veterinary Dermatology. Dermatology certification requires completion of an internship and residency program, plus passing a comprehensive examination.

● **Marvin Wilke**, third-year veterinary student, has been selected to participate in the Pfizer Student Representative Program. One student from each veterinary college in the U.S. and Canada is chosen for this program. Participants plan and implement selected educational activities that complement the school curriculum while increasing student exposure to the principles of veterinary pharmacology and therapeutics. Student representatives are selected on the basis of academic achievements, leadership roles and interest in pharmacology and food animal medicine.

● **Annemarie Marcucci**, second-year veterinary student, received an undergraduate research award from the Midwest Regional Chapter of the Society of Toxicology. The \$1,000 award will fund her project on "fumonisin-induced toxicity in rabbits," under the supervision of Dr. Wanda Haschek-Hock, veterinary pathobiology.

● **Dr. Jeff Hall**, a research associate in veterinary toxicology, recently attained board certification in the specialty of veterinary toxicology. This makes him a diplomate of the American College of Veterinary Toxicology.

● **Dr. Peter Constable**, assistant professor of veterinary clinical medicine and chief of the food animal section at the college, recently received the Veterinary Medicine Data Program (VMDP) Epidemiological Award based on a paper he wrote. Each year, the organization chooses the best paper that uses its computerized epidemiological data.

Dr. Constable's paper was entitled "Risk Factors for Abomasal Volvulus and Left Abomasal Displacement in Cattle." He received a check for \$1,000.

The VMDP is based at Purdue University in Indiana. Selected information from the medical records of animals admitted to 24 North American veterinary colleges is entered into the computer data base. Clinical cases are coded for computer storage. Researchers can then use the VMDP data base for epidemiological searches. The data base has been in operation since 1964 and currently has over five million records. It is available to researchers in both academic and commercial fields.

"Pioneer Class" Completes Executive Veterinary Program

THIRTY-EIGHT MEMBERS of the first Executive Veterinary Program (EVP) class (also known as the "Pioneer Class") received their Certificates in Swine Health Management at a graduation ceremony held in the College of Veterinary Medicine's atrium on September 16th.

Graduates accepted their certificates from Dr. V.E. Valli, dean of the veterinary college. Sponsors were also presented certificates acknowledging their support of EVP modules.

Dr. John Ehrhardt and Dr. Roy Schultz addressed the group as co-valedictorians of the EVP class. In their speeches, both said they were grateful for the

opportunity to attend EVP; declaring the program "innovative," "first class," and "visionary." They also emphasized the valuable knowledge, friendships, and industry contacts gained through the program. On behalf of the class, Dr. Ehrhardt and Dr. Schultz presented gifts of appreciation to EVP coordinators Dr. LeRoy Biehl and Dr. Kristi

Arndt Green, and to EVP support staff Kris Fink and Judy Mewes.

Forty-one veterinarians made up the first EVP class. The class included practicing, industrial, and public service swine veterinarians representing seven states, one Canadian province, and 11 veterinary colleges.